

HD601-LU

HD Series

Liquid Transfer and Vapor Recovery driven @ 405 RPM

Gas

Carbon Dioxide
 $n = 1.28$
 $MW = 44.01$

Inlet

290 – 150 psig
 (20.5- 10.5 kg/cm²g)
 0°F (-18°C)

Outlet

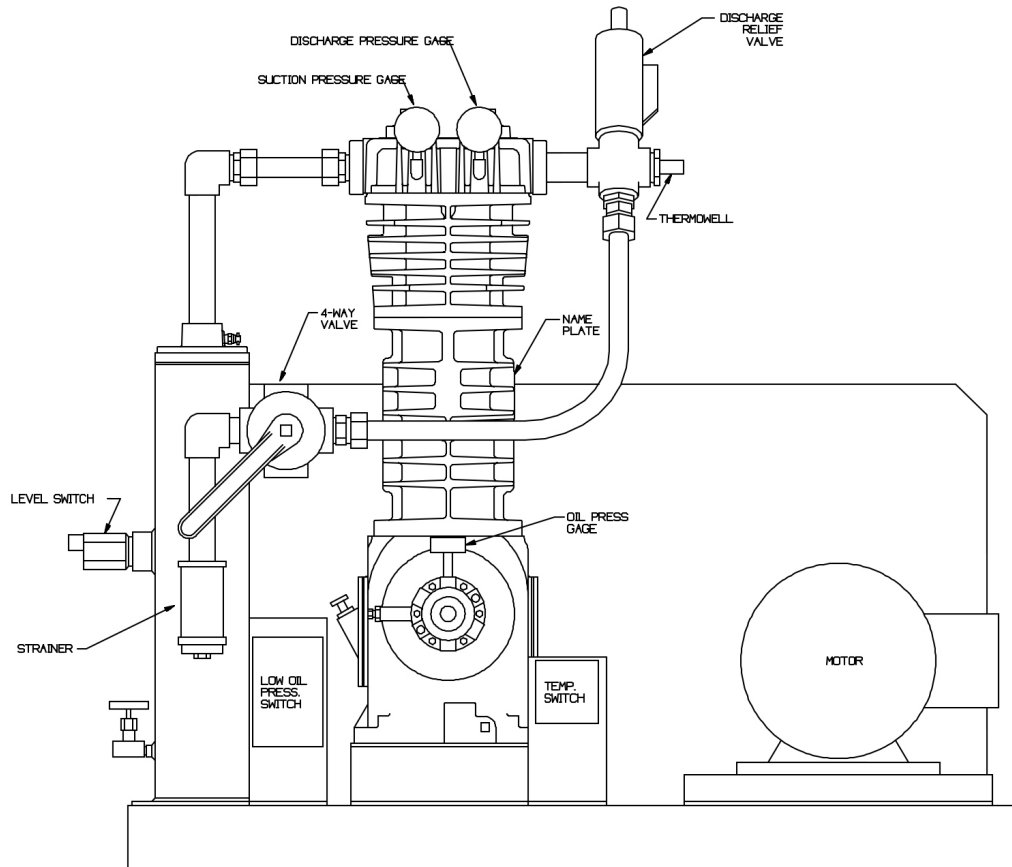
300 - 325 psig
 (21 - 23 kg/cm²g)

Compressor Construction

Buna-N O-rings
 Aluminum Gaskets

Accessories

- 25 HP TEFC motor
- Liquid Trap with Float Switch Suction strainer
- 4-way flow control valve
- High Discharge Temperature Switch with Thermowell
- Low Oil Pressure switch
- ASME code discharge relief valve
- Pressure Gauges for suction and discharge gas pressures and crankcase oil pressure
- Oversized flywheel and beltguard



AE91-98167-1

Installation Example

This HD601 is used to transfer carbon dioxide from rail tank car to storage tank in Phoenix, Arizona. On a typical CO₂ transfer compressor, the trap prevents entry of liquid into the compressor and the 4-way valve allows both liquid transfer and recovery of vapors. The strainer, level switch, temperature switch, oil pressure switch, and relief valve all help protect the compressor from various potential problems. The larger flywheel helps smooth unwanted pulsations and provides a higher V-belt horsepower rating.